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207. A method of making lower energy hydrogen comprising reacting hydrogen atoms with at least one ion catalyst selected from the group consisting of  $\text{He}^+$ ,  $\text{Na}^+$ ,  $\text{Rb}^+$ ,  $\text{Fe}^{3+}$ ,  $\text{Mo}^{2+}$ ,  $\text{Mo}^{4+}$  and  $\text{In}^{3+}$ .

208. A reactor for making lower-energy hydrogen comprising a vessel, a source of hydrogen atoms and a source of at least one metal atom catalyst selected from the group consisting of Li, Be, K, Ca, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As, Se, Kr, Rb, Sr, Nb, Mo, Pd, Sn, Te, Cs, Pr, Sm, Gd, Dy, Pb, and Pt.

209. A reactor for making lower-energy hydrogen comprising a vessel, a source of hydrogen atoms and a source of at least one ion catalyst selected from the group consisting of  $\text{He}^+$ ,  $\text{Na}^+$ ,  $\text{Rb}^+$ ,  $\text{Fe}^{3+}$ ,  $\text{Mo}^{2+}$ ,  $\text{Mo}^{4+}$  and  $\text{In}^{3+}$ .

## REMARKS

Consideration and allowance of the of the subject application are respectfully requested.

Claims 1-209 are pending in the application.

Original claims 1-10 remain pending in the application and have not been amended.

Only new claims have been added by this Amendment.

Basis for new claims 11-209 can be found in the present specification. No new matter has been added.

Claims 11-108 relate to the power source originally being prosecuted. New claims 108-205 relate to a method of operating a cyclotron. New claims 206-209 relate to catalysts for forming lower-energy hydrogen.

Entry of this Amendment and a favorable action on the merits are respectfully requested.

Respectfully submitted,

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